

Claims

What is claimed is:

1. An infusion pump comprising :
a pump hose (13) having two transition pieces (15, 20) at opposite ends, respectively, of the pump hose;
a housing (10) accommodating a pump finger mechanism (12) and having two holders (16, 21) for fastening the two transition pieces (15, 20), a door (24) provided at the housing (10) and forming a counter bearing for supporting the pump hose (13); and
wherein at least one of the holders (16) mates with the associated transition piece (15) via at least a combination of an oblique pin (17) and an oblique hole (18) to be slipped onto the oblique pin, the pin (17) and the hole (18) being inclined the same with respect to the longitudinal axis of the placed pump hose (13).
2. The infusion pump of claim 1, wherein the oblique pin (17) is provided at the holder (16) and the oblique hole (18) is provided at the transition piece (15).
3. The infusion pump of claim 2, wherein the holder (16) has two parallel oblique pins (17) and the transition piece (15) has two parallel holes (18).
4. The infusion pump of claim 1, wherein the holder (16) has two parallel oblique pins (17) and the transition piece (15) has two parallel holes (18).
5. The infusion pump of claim 1, wherein the door (24) is provided with recesses (28) for receiving the ends of the pins (17).

6. The infusion pump of claim 1, wherein the other transition piece (20) comprises a locking clamp (22) engaging over a web of the housing (10).
7. The infusion pump of claim 1, wherein the pump hose (13) has a longitudinal color strip (29) for detecting hose twisting.
8. A pump hose, especially for an infusion pump of claims 1, 2, 3, 4, 5, 6 or 7, further comprising a length (14) of hose with a respective transition piece (15, 20) at opposite ends, wherein at least one of the transition pieces (15) has two half shells (36, 37) connected by a hinge portion (31), a tubular pin (30) projecting from the hinge portion (31), and the half shells (36, 37) having flanges (33, 34) adapted to be abutted against and connected with each other, the flanges clampingly enclosing the end of the length (14) of hose slipped on the tubular pin (30).
9. The pump hose of claim 8, wherein the transition piece (15) is an integral plastic part.